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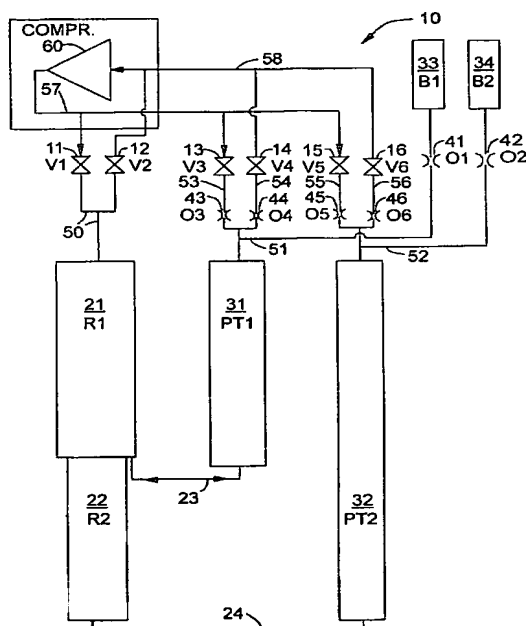
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(54) Title: **THREE TRACK VALVE FOR CRYOGENIC REFRIGERATOR**



(57) Abstract: A multi valve two-stage pulse tube type GM refrig-
erator having a rotary valve that comprises one track for flow to the
regenerator and two tracks for flow to the pulse tubes where the valve
has two high pressure ports to the pulse tubes located on a single track
and two low pressure ports from the pulse tubes located on a separate
single track and where there are two cooling cycles per revolution of
the rotary face valve.